In this Issue!

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Secrets to have a better LinkedIn profile

If you are looking to step up your LinkedIn game, here are four tips for improving your page.

This first one is pretty simple, and really amounts to adding that little bit of polish to your page: Grab a custom URL for your public profile. Instead of having a URL like linkedin dot com backlash tons of numbers, you can clean it up by replacing those random numbers with your name.

Second, LinkedIn is giving users the ability to publish longer posts on their profiles. The idea is that it's a space where you can write about your area of expertise. Why would you want to do this? It's a good chance to show you know what you're talking about and gain some influence on the platform.

Along those lines is *number three*: Don't forget to add projects. It's a good opportunity to talk about specific things you've done in the past. Plus, you can link out to any projects that still exist elsewhere online.

And fourth, get recommendations. Ask people you have worked with who could offer a quick, specific instance illustrating why they think you are a solid professional. Again, specificity is key. Having a few strong recommendations will soup up the quality and usefulness of your profile

Detection of Ebola outbreak a week early using an algorithm

HealthMap is a data mapping tool that detects and tracks diseases across the world. The system discovered the Ebola virus outbreak nine days early.
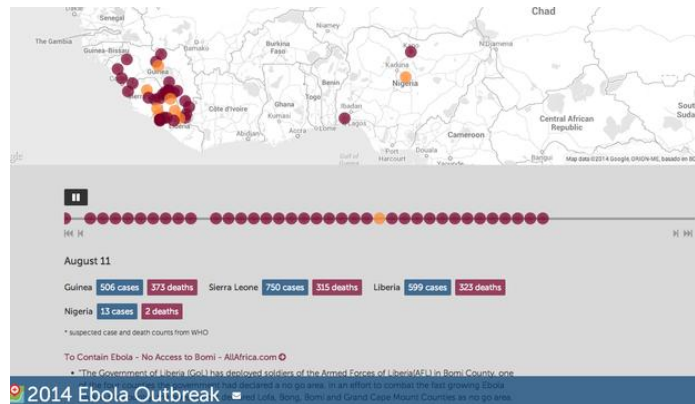
The Ebola outbreak has spread incredibly fast. It's a dangerous disease, not only because it is highly contagious and fatal, but it is also riddled with stigmas and myths, particularly in the African communities where it is proliferating.

An algorithm on HealthMap, an international mapping tool that detects and tracks diseases, found Ebola, called a "mystery hemorrhagic fever," just over a week before it spread, though the founders didn't initially realize the importance of what they discovered.

Eight people reported the mysterious disease in March. It caught the HealthMap team's attention, but they didn't call out a massive issue until it was confirmed as Ebola on March 22.

"That was concerning, but still oftentimes these events tend to be smaller in nature, and this is much more substantial than what we've seen in the past as far as the time it's [taken to] spread. It's unusual as far as what we've seen," said John Brownstein, co-founder of HealthMap and an epidemiologist.

The HealthMap team realized the situation was quite serious, so they created a dedicated HealthMap visualization: healthmap.org/ebola. The tool shows the full timeline of events, including locations, case counts (suspected, confirmed, deaths), and original source documentation.

According to the World Health Organization, as of August 22, these are the stats of the Ebola outbreak in Africa, which emerged in March 2014.

- Guinea: 607 cases, 406 deaths
- Liberia: 1,082 cases, 624 deaths
- Nigeria: 16 cases, 5 deaths
- Sierra Leone: 910 cases, 392 deaths

There are also reported cases in Democratic Republic of the Congo, Europe, and in the US, though none have been confirmed. Two patients who contracted the disease in Africa were brought to the US for experimental treatment, but not much else has been done for the outbreak.

The web crawler on HealthMap collects information from hundreds of thousands of sources across the internet, based mostly on keyword searches for disease-related terms. Of course, it filters out things such as "outbreak of home runs" or "Justin Bieber fever."

It sifts through RSS feeds and APIs and analyzes the text and geographic location of the information and removes the noise. The automated process is repeated every hour, 24 hours a day.

The algorithm is 90% accurate at filtering out the junk, Freifeld said, and it is continually improving through feedback from analysts. This is a machine-learning algorithm.

It looks for example articles that have been categorized by HealthMap analysts and searches for patterns of how new articles match up with the history of relevant and irrelevant content.

The value of HealthMap, Brownstein said, was initially for disease surveillance, but it has moved onto something better.

The HealthMap team is continually expanding the list of data sources they tap into, including doing research on tapping into data from Wikipedia, Yelp, Twitter, mobile apps, and other internet sources, which can all provide early signals of disease activity.

"What's exciting about HealthMap is that we are capturing all this information and making it available and accessible

Happenings @ Department of I.T in the month of August, 2014

Inauguration of Orientation Programme of XVIII Batch of MCA Programme at I.T.S, Mohan Nagar, Ghaziabad
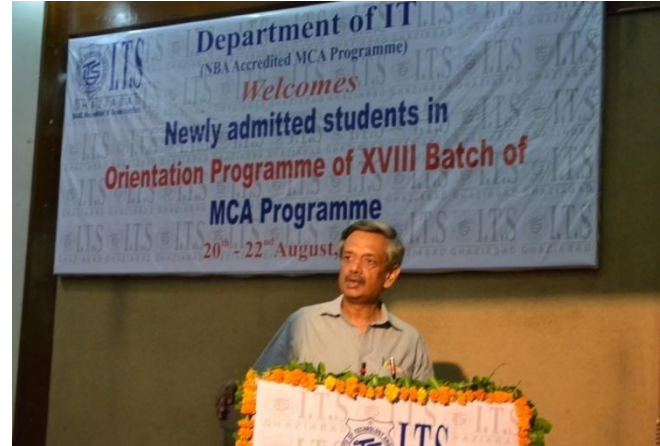
Newly admitted 18th Batch of MCA Programme was inaugurated on Wednesday, 20th August, 2014 . **Mr. Sahiel Khurana, Vice President, I- Max Technologies was invited as the Chief Guest** during the inaugural session of the event.

The event was formally inaugurated with lamp-lighting by Director General, Prof. Shekhar Ghose, Chief Guest of inaugural Session Mr. Sahiel Khurana, Vice President , I- Max Technologies ,HOD-IT, Dr. Sunil K Pandey, Director Management Dr. Sapna Rakesh and MCA Coordinator, Prof. Puja Dhar .

Director General, Prof. Shekhar Ghose welcomed newly admitted students and said that students must use all the facilities available in the institute and prepare themselves for their better career prospect and employability. He also advised students to work hard and make their parents feel proud on their achievements in future.

HOD-IT, Dr. Sunil Kr. Pandey while addressing the students has emphasized on the importance of the course curriculum and its impact on future placement and career growth. He has also advised students to be focused in their studies which will be beneficial in nurturing their technical skills and personality development. While emphasizing on the need of industry-led preparation, Dr. Pandey said that the entire curriculum needs to be supplemented with the identified gaps with industrial requirements. To bridge this gap IT Department is continuously working on this and time to time number of Personality Development classes, value added modules, workshops are organized. To provide global exposure to our students invited guest talks by world class experts.

MCA Coordinator, Prof. Puja Dhar, presented a brief report on institutional activities and opportunities made available to students for learning and developing various skill sets including IBM Software Centre of Excellence and tie-ups as academia-industry partnership programme with IBM, Wipro, Inmorphis etc. Prof. Puja also mentioned about the departmental initiatives towards providing students with the latest updates about the technological advancements, newer technologies and researches through institutional membership of ACM, CSI etc.

Mr. Sahiel Khurana while addressing as the Chief Guest of the session, emphasized on the need of focusing fundamentals. He said that industry has huge requirement of IT Professionals but the employable resource is a big challenge. He advised students to be focused in their studies, be innovative, flexible for learning newer technologies and keep close watch on the industrial developments. Apart from technical requirements, Mr. Khurana emphasized upon developing and sharpening soft skills which are very crucial, in a globalized environment, to get selected and survive in the industry. He shared his experiences with the students and said

that their attitude will play very crucial role in their final selections and this needs to be taken very seriously by the students. Mr. Khurana greeted all the students and wished them for their success.

The first session was on "Basic Communication & Team Building" and was focused on understanding each other, building confidence and group involvement. Prof. G.K. Dwivedi was the facilitator in this session. The session went on well and students were much appreciative of this session.

There was also a Spritual Talk on the Topic "Ordinary to Extraordinary" by Swami Chidrupananda, Chinmaya Mission.

Three days orientation programme was scheduled during 20th August to 22nd August, 2014. Session on the basics of Digital Logic Design was taken by Prof. Rakesh Roshan. Prof. Abhay Narayan Tripahi has taken the session on the Operating System. Dr. Rajeev Kumar has covered the basics of Computer Based Optimization Techniques. Fundamentals of Design Analysis and Algorithm was taken by Prof. Varun Arora. Prof. Smita Kansal covered the basics of Discrete Mathematics. Session on IJP was taken by Prof. K.P.Singh and Prof. Gaurav Midha. There were also three sessions of Lab classes on C, DBMS and IJP, which were conducted by Prof. Chandra Mani Sharma , Prof. Saurabh Saxena and Prof. K.P.Singh. Some sessions on soft skills and communication was also taken by Prof. G.K.Diwedi.

MCA Orientation Programme was concluded on 22nd August, 2014 with the Guest Talk on "Behavirol & Soft Skills" by Mr. Mukul Gupta, Polar Software Ltd. While addressing the students, Mr. Gupta emphasized on the soft skills, positive attitude and good communications skills which is the basic requirements in the corporate world.

Happenings @ Department of I.T in the month of August, 2014

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JAVA CLUB organized SANRACHNA-2014

An intra institutional Java Programming Contest "**SANRACHNA 2014**" for MCA V semester and BCA V semester was organized on 29th August, 2014. The event threaded into two rounds. The first round was screening round and comprised of an online Java quiz. Top thirty students were short-listed for the next round. The next round was the final round which comprised of on the spot Java programming. Based on the performance of students in this round, the winners of contest were shortlisted. The event was conducted under the aegis of Java Club in association with CSI student branch at I.T.S. The event was coordinated by three faculty members of IT Department, Prof. K.P. Singh, Prof. Gaurav Midha and Prof. Rakesh Roshan.

From the final round of Sanrachna 2014 total 10 winners were declared. First top three winners were rewarded with Trophy, Certificate and book of java certification authored by Khalid Mughal. Next two winners at 4th and 5th positions were rewarded with Certificate and Book and rest five winners from 6th position to 10th position were rewarded with certificate of merit.

First Position was secured by Shashank Sharad, MCA-V, while Abhilesh Rastogi,MCA-V and Anuradha Sharma, BCA-V secured second and third position. Fourth and fifth position was secured by Raj Kumar, MCA-V and Savita Pal, BCA-V. Sixth, Seventh and eighth position was secured Rohit Kumar, MCA-V, Piyush Johari, MCA-V and Naina Yadav, BCA-V. Nineth and Tenth position was secured by Rakesh Kumar Singh, MCA-V and Shivam Jangra, BCA-V.

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Felicitation ceremony for Meritorious students of MCA first year and second year held at ITS, Mohan Nagar, Ghaziabad on 29th August, 2014

Felicitation ceremony for meritorious students of MCA first year and second year, on the basis of their performance in the results declared by U.P. Technical University, Lucknow, was organized by Dept. of I.T on 29th August, 2014. Objective of this event was to appreciate the efforts of the students and encourage them to improve their academic performance in a healthy competitive manner. While addressing and motivating the students, Director General, Prof. Shekhar Ghose and HOD-IT, Dr. Sunil Kumar Pandey greeted the recipients of awards & certificates and said that key to success is right kind of learning with right attitude and verifying it through practice

The Top-3 Students of MCA (2012-15) Batch of year 2013-14 result were Ms. Anamika secured First Position, Ms. Balvinder Kaur secured Second Position and Ashutosh Kumar secured Third Position. They have received Scholarship Cheques worth Rs. 15,000/- , Rs. 10,000/- and Rs. 5000/- respectively

The Top-3 Students of MCA(2013-16) Batch of Year 2013-14 result were Ms. Mitali Chauhan secured First Position, Karan Gauba secured Second Position, Sachin Kumar and Sweta both secured Third Position. They also have received Scholarship Cheques worth Rs. 15,000/- , Rs. 10,000/- and Rs. 5000/- respectively.

Top-10 students in each semester were also identified based on their performance in External Examination of U.P. Technical University, Lucknow and were awarded with Meritorious Awards, Certificates and Motivational Books written by Honorable Chairman Sir. Top-10 students with significant improvement in their recent examinations over previous semester examinations were identified and awarded with Meritorious Award & Certificates.

Honorable Vice Chairman – I.T.S the Education Group, Director General, HOD-IT and Director Management gave away the Scholarship Cheques, Certificate of Merit, Certificate of Performance Improvements and Meritorious Awards

Parent of students also expressed their happiness and satisfaction on the efforts of the institute and expressed their confidence about the success of the

Congratulations to our MCA-V Semester Students for their Final Placements

Name of Student	Placed in
ABHISHEK AGGARWAL	Morpheme Web Nexus Pvt. Ltd.
DEEPAK KUMAR PANDEY	Durlabh Computers Pvt. Ltd.
KUNAL KISHORE PANDEY	Morpheme Web Nexus Pvt. Ltd.
PRIYANKA	Durlabh Computers Pvt. Ltd.
RANA RANBIR SINGH	Morpheme Web Nexus Pvt. Ltd.
SHIKHA	Morpheme Web Nexus Pvt. Ltd.
SHREESH TIWARI	Durlabh Computers Pvt. Ltd.

Placement Quiz Series

1. Which notation has the lower as well as upper limit of a function?
A. O-notation
B. o-notation
C. θ-notation
D. Ω-notation

2. What is the worst case running time of Insertion sort, if number of elements is n?
A. θ (n)
B. θ (n^2)
C. θ (nlogn)
D. θ (logn)

3. If D1 is the set of all values in column1, D2 is the set of all values in column2, D3 is the set of all values in column3 and similarly Dn is the set of all values in column , then a table of n attributes must be the subset of _____.
A. D1+D2+D3+.....+Dn
B. D1 X D2 X D3 X..... X Dn
C.D1
D.Dn

4. What would be the output of following C code?
```
void main()
{
  float pi=3.14;
  double PI=3.14;
  if(pi==PI)
    printf("ABCDEF");
  else
    printf("XYZ");
}
```
A.ABCDEF
B.XYZ
C.Compilation Error
D.Runtime Error

5. void main()
```
{
int const * p=5;
printf("%d",++(*p));
}
```
    A. 5
    B. 6
    C. Runtime Error
    D. Compile Error

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Answers will be published in September, 2014 issue

Answer to last Placement Quiz Series

1. C
2. D
3. C
4. A
5. B

Announcement and Contact Details

VIBRANCE is an E-magazine of Department of I.T, I.T.S, Ghaziabad. We look forward to the contribution from our students, alumni, faculty members and industry experts.

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